

## ABSTRACT OF THE DISCLOSURE

Ultrasonic probe devices are provided which are particularly suitable for use as invasive imaging probes such as endocavity probes and endoscopic probes. The probe devices include a dual cross-scanning bi-plane array transducer formed by a pair of orthogonal, intersecting transducer arrays. The probe devices are capable of providing, either simultaneously or alternately, crossing scanning through a single symmetrical scanning axis.

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